

Trichostomum sweetii (Bartram [1945]) Stark**SWEET TRICHOSTOMUM****FAMILY:** *Pottiaceae*, the pottia family.**SYNONYMS:** *Weissia sweetii***STATUS:****Heritage Program SENSITIVE LIST, ranks: G2? S1****USFWS/ESA:** none. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** none. **NNNPS:** watch list.**POPULATION CENSUS (NEVADA):** 2 occurrences mapped; total estimated individuals unknown, total estimated area unknown. **TREND:** unknown.**IMPACTS AND MAJOR THREATS (NEVADA):** No summary available (see references).**INVENTORY EFFORT (NEVADA):** Surveys are ongoing. Most recent entered survey 1995, average year of last survey 1994. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 100%.**LAND MANAGEMENT (NEVADA):** National Park Service.**RANGE:** Clark County, Nevada; also in AZ (?), CO, NM, and UT. The species has not been relocated at the supposed type locality in the Virgin Mountains. The type could be from California instead. Maximum Nevada **range dimension 35.9 km (22.3 mi)**. **Type specimen** collected in Clark County.**ELEVATIONS RECORDED (NEVADA):** 2000-2230 feet (610-680 meters).**HABITAT (NEVADA):** Sandstone bluffs and sandstone-derived soil, often shaded by rocks, in creosote-bursage zone.**PHENOLOGY:** no summary available. Range of most frequent **survey months:** March-June.**LIFE-FORM AND HABIT:** herb moss.**DESCRIPTION:** Distinguishing features of *Trichostomum* relative to the related genus *Weissia* include the very slight incurvature (or erect) of the leaf apex in the former, as opposed to the highly incurved leaf margins in *Weissia*.**PHOTOGRAPHS:** none known.**ILLUSTRATIONS:** Flowers (1973).**SPECIFIC REFERENCES:**Bartram, E. B. 1945. A new *Weissia* and a new *Tortula* from southwestern United States. *The Bryologist* 48: 90-92.Flowers, S. 1973. *Mosses: Utah and the West*. Provo, Utah: Brigham Young University Press.Stark, L. R. 1996. The status of *Weissia sweetii*, a species endemic to the southwestern United States. *The Bryologist* 99: 345-348.

Stark, L. R. 1999. Five globally rare species of mosses from southern Nevada: An update on their distribution ranges, including recent unpublished findings from predominantly gypsum/sandstone habitats in the Lake Mead National Recreation Area and associated Bureau of Land Management lands. Las Vegas: University of Nevada, unpublished report. 11 pages.

OF FURTHER INTEREST: Anderson et al. (1990) included *Weissia sweetii* and *W. perligulata* in *Trichostomum crispulum*. Stark (1996) recognizes *W. sweetii* and *W. perligulata* as one taxon (*T. sweetii*) distinct from *T. crispulum* and confirms placement in *Trichostomum*.